

AMENDMENTS

IN THE CLAIMS

1. (Previously Presented) A method for preventing contamination of a surface of a drum dryer used in a paper machine comprising the step of continuously supplying a surface treatment agent from a spray nozzle at a spray rate of 0.3 to 500 mg/m² per min directly to the surface of the drum dryer in rotation, facing a paper strip, while the paper strip is fed by the paper machine, wherein the surface treatment agent is prepared by emulsifying oil by the agency of a surfactant, and wherein the paper strip is not stained by the surface treatment agent containing oil.
2. (Original) A method of preventing contamination of the surface of a drum dryer according to Claim 1, wherein the drum dryer is multiple type drum dryers.
3. (Original) A method of preventing contamination of the surface of a drum dryer according to Claim 1, wherein the drum dryer is a Yankee drum dryer.
4. (Previously Presented) A method of preventing contamination of a surface of a drum dryer used in a paper machine, said method comprising the following steps 1) to 5):
 - (1) supplying oil from a spray nozzle at a spray rate of 0.3 to 500 mg/m² per min, directly to the surface of the drum dryer in rotation, facing a paper strip, while the paper strip is fed by the paper machine;
 - (2) filling up recesses in microscopic asperities on the surface of the drum dryer with the continuing supply of an oil;

- (3) forming a thin oil film on the surface of the drum dryer with the recesses of the microscopic asperities thereof already filled up by the continuing supply of the oil;
 - (4) transferring the oil to the paper strip by keeping the drum dryer and the paper strip pressed into contact with each other, depleting the oil film, wherein the paper strip is not stained by the oil; and
 - (5) replenishing the drum dryer with the oil continuously supplied upon depletion of the oil film by an amount of depletion.
5. (Previously Presented) A method for preventing contamination of the surface of a drum dryer as in claim 1, wherein the surface treatment agent is prepared by adding an amount of water to the oil, wherein the amount of water is 3 to 30 times as much as the oil.
6. (Previously Presented) A method for preventing contamination of the surface of a drum dryer as in claim 1, wherein a mixing ratio of the surfactant ranges from 5 to 70 wt% against the oil.